

AMINOALKYL GLUCOSAMINIDE PHOSPHATE COMPOUNDS AND  
THEIR USE AS ADJUVANTS AND IMMUNOEFFECTORS

ABSTRACT OF THE DISCLOSURE

Aminoalkyl glucosaminide phosphate (AGP) compounds that are adjuvants and immunoeffectors are described and claimed. The compounds have a 2-deoxy-2-amino glucose in glycosidic linkage with an aminoalkyl (aglycon) group. Compounds are phosphorylated at the 4 or 6 carbon on the glucosaminide ring and comprise three 3- alkanoyloxyalkanoyl residues. The compounds augment antibody production in immunized animals as well as stimulate cytokine production and activate macrophages. Methods for using the compounds as adjuvants and immunoeffectors are also disclosed.